

SEQUENCE LISTING

<110> Conklin, Darrell C.
Blumberg, Hal
Deisher, Theresa A.

<120> A HUMAN 2-19 PROTEIN HOMOLOGUE, Z219C

<130> 97-64

<150> US 60/066,157

<151> 1997-11-19

<160> 19

<170> FastSEQ for Windows Version 3.0

<210> 1

<211> 1221

<212> DNA

<213> Homo sapiens

<220>

<221> CDS

<222> (222)...(889)

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gcacctgctg gaccacctcg cttctccat cgaagcaggg aagtgggagc ctcgagccct	180
cgggtggaag ctgaccccaa gccacccttc acctggacag g atg aga gtg tca ggt	236
Met Arg Val Ser Gly	
1 5	

gtg ctt cgc ctc ctg gcc ctc atc ttt gcc ata gtc acg aca tgg atg	284
Val Leu Arg Leu Leu Ala Leu Ile Phe Ala Ile Val Thr Thr Trp Met	
10 15 20	

ttt att cga agc tac atg agc ttc agc atg aaa acc atc cgt ctg cca	332
Phe Ile Arg Ser Tyr Met Ser Phe Ser Met Lys Thr Ile Arg Leu Pro	
25 30 35	

cgc tgg ctg gcc tcg ccc acc aag gag atc cag gtt aaa aag tac aag	380
Arg Trp Leu Ala Ser Pro Thr Lys Glu Ile Gln Val Lys Lys Tyr Lys	
40 45 50	

tgt ggc ctc atc aag ccc tgc cca gcc aac tac ttt gcg ttt aaa atc	428
Cys Gly Leu Ile Lys Pro Cys Pro Ala Asn Tyr Phe Ala Phe Lys Ile	
55 60 65	
tgc agt ggg gcc gcc aac gtc gtg ggc cct act atg tgc ttt gaa gac	476
Cys Ser Gly Ala Ala Asn Val Val Gly Pro Thr Met Cys Phe Glu Asp	
70 75 80 85	
cgc atg atc atg agt cct gtg aaa aac aat gtg ggc aga ggc cta aac	524
Arg Met Ile Met Ser Pro Val Lys Asn Asn Val Gly Arg Gly Leu Asn	
90 95 100	
atc gcc ctg gtg aat gga acc acg gga gct gtg ctg gga cag aag gca	572
Ile Ala Leu Val Asn Gly Thr Thr Gly Ala Val Leu Gly Gln Lys Ala	
105 110 115	
ttt gac atg tac tct gga gat gtt atg cac cta gtg aaa ttc ctt aaa	620
Phe Asp Met Tyr Ser Gly Asp Val Met His Leu Val Lys Phe Leu Lys	
120 125 130	
gaa att ccg ggg ggt gca ctg gtg ctg gtg gcc tcc tac gac gat cca	668
Glu Ile Pro Gly Gly Ala Leu Val Leu Val Ala Ser Tyr Asp Asp Pro	
135 140 145	
ggg acc aaa atg aac gat gaa agc agg aaa ctc ttc tct gac ttg ggg	716
Gly Thr Lys Met Asn Asp Glu Ser Arg Lys Leu Phe Ser Asp Leu Gly	
150 155 160 165	
agt tcc tac gca aaa caa ctg ggc ttc cgg gac agc tgg gtc ttc ata	764
Ser Ser Tyr Ala Lys Gln Leu Gly Phe Arg Asp Ser Trp Val Phe Ile	
170 175 180	
gga gcc aaa gac ctc agg ggt aaa agc ccc ttt gag cag ttc tta aag	812
Gly Ala Lys Asp Leu Arg Gly Lys Ser Pro Phe Glu Gln Phe Leu Lys	
185 190 195	
aac agc cca gac aca aac aaa tac gag gga tgg cca gag ctg ctg gag	860
Asn Ser Pro Asp Thr Asn Lys Tyr Glu Gly Trp Pro Glu Leu Leu Glu	
200 205 210	
atg gag ggc tgc atg ccc ccg aag cca tt ttaggggtggc tgtggctctt	909
Met Glu Gly Cys Met Pro Pro Lys Pro	
215 220	

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cctcagccag gggcctgaag aagctcctgc ctgacttagg agtcagagcc cggcaggggc 969
tgaggaggag gagcaggggg tgctgcgtgg aagggtgctgc aggtccttgc acgctgtgtc 1029
gcgcctctcc tcctcggaag cagaaccctc ccacagcaca tcctacccgg aagaccagcc 1089
tcagaggggtc cttctggaac cagctgtctg tggagagaat ggggtgcttt cgtcagggac 1149
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<210> 2

<211> 223

<212> PRT

<213> Homo sapiens

<400> 2

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Met Arg Val Ser Gly Val Leu Arg Leu Leu Ala Leu Ile Phe Ala Ile
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Thr Ile Arg Leu Pro Arg Trp Leu Ala Ser Pro Thr Lys Glu Ile Gln
35     40     45
Val Lys Lys Tyr Lys Cys Gly Leu Ile Lys Pro Cys Pro Ala Asn Tyr
50     55     60
Phe Ala Phe Lys Ile Cys Ser Gly Ala Ala Asn Val Val Gly Pro Thr
65     70     75     80
Met Cys Phe Glu Asp Arg Met Ile Met Ser Pro Val Lys Asn Asn Val
85     90     95
Gly Arg Gly Leu Asn Ile Ala Leu Val Asn Gly Thr Thr Gly Ala Val
100    105    110
Leu Gly Gln Lys Ala Phe Asp Met Tyr Ser Gly Asp Val Met His Leu
115    120    125
Val Lys Phe Leu Lys Glu Ile Pro Gly Gly Ala Leu Val Leu Val Ala
130    135    140
Ser Tyr Asp Asp Pro Gly Thr Lys Met Asn Asp Glu Ser Arg Lys Leu
145    150    155    160
Phe Ser Asp Leu Gly Ser Ser Tyr Ala Lys Gln Leu Gly Phe Arg Asp
165    170    175
Ser Trp Val Phe Ile Gly Ala Lys Asp Leu Arg Gly Lys Ser Pro Phe
180    185    190
Glu Gln Phe Leu Lys Asn Ser Pro Asp Thr Asn Lys Tyr Glu Gly Trp
195    200    205
Pro Glu Leu Leu Glu Met Glu Gly Cys Met Pro Pro Lys Pro Phe
210    215    220

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<210> 3

<211> 3

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<213> Artificial Sequence

<220>

<223> Z219c polypeptide Motif 1

<400> 3

Phe Asp Met

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<210> 4

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<223> Z219c polypeptide Motif 2

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Tyr Asp Asp

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<210> 5

<211> 3

<212> PRT

<213> Artificial Sequence

<220>

<223> Z219c polypeptide Motif 3

<400> 5

Leu Gly Ser

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<210> 6

<211> 3

<212> PRT

<213> Artificial Sequence

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<223> Z219c polypeptide Motif 4

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Trp Val Phe

1

<210> 7
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<400> 7
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<210> 8
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 <212> DNA
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 <223> Degenerate polynucleotide sequence of z219c

<221> variation
 <222> (0)...(0)
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 atgttyathm gnwsntayat gwsnttywsn atgaaracna thmgnytncc nmngntggytn 120
 gcwnsnccna cnaargarat hcargtnaar aartayaart gyggnytnat haarccntgy 180
 ccngcnaayt ayttycntt yaarathtgy wsngngcng cnaaygtngt nggncnaccn 240
 atgtgyttyg argaymgnat gathatgwsn ccngtnaara ayaaygtngg nmngggnytn 300
 aayathgcny tngtnaaygg nacnacnggn gcngtynytn gncaraargc nttygayatg 360
 taywsngng aygtnatgca yytngtnaar ttyytnaarg arathccngg nggngcnytn 420
 gtntyngtng cnwsntayga ygayccnggn acnaaratga aygaygarws nmgnaarytn 480
 ttywsngayy tnggnwsnws ntaygcnaar carytnggnt tymngayws ntgggtntty 540
 athggngcna argayytnmg nggnaarwsn ccnttygarc arttyytnaa raaywsnccn 600
 gayacnaaya artaygargg ntggccngar ytnyngara tggarggntg yatgccnccn 660
 aarccntty 669

<210> 9
 <211> 20
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Oligonucleotide primer ZC694

<400> 9
taatacgact cactataggg 20

<210> 10
<211> 19
<212> DNA
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<220>
<223> Oligonucleotide primer ZC695

<400> 10
gatttaggtg acactatag 19

<210> 11
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<220>
<223> Oligonucleotide primer ZC13978

<400> 11
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<223> Oligonucleotide primer ZC15288

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<220>
<223> Oligonucleotide primer ZC14067

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<223> Oligonucleotide primer ZC14068

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<210> 15
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<220>
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<400> 15
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<210> 16
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<400> 16
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<210> 17
<211> 115
<212> PRT
<213> Mus musculus

<400> 17
Thr Gly Gln Val Met Lys Lys Asp Ser Phe Asp Met Tyr Ser Gly Asp
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Pro Gln Leu Leu Leu Asn Phe Leu Thr Glu Ile Pro Asp Ser Thr Leu
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 Val Leu Val Ala Ser Tyr Asp Asp Pro Gly Thr Lys Met Asn Asp Lys
 35 40 45
 Ile Lys Thr Leu Phe Ser Asn Leu Gly Ser Ser Tyr Ala Lys Gln Leu
 50 55 60
 Gly Phe Arg Asp Ser Trp Val Phe Val Gly Ala Lys Asp Leu Lys Ser
 65 70 75 80
 Lys Ser Pro Tyr Glu Gln Phe Leu Lys Asn Asn Pro Glu Thr Asn Lys
 85 90 95
 Tyr Asp Gly Trp Pro Glu Leu Leu Glu Leu Glu Gly Cys Val Pro Arg
 100 105 110
 Lys Val Met
 115

<210> 18
 <211> 230
 <212> PRT
 <213> Homo sapiens

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 20 25 30
 Gly Phe Pro Arg Ile Gln Gln Leu Phe Thr Ser Pro Glu Ser Ser Val
 35 40 45
 Thr Ala Ala Pro Arg Ala Arg Lys Tyr Lys Cys Gly Leu Pro Gln Pro
 50 55 60
 Cys Pro Glu Glu His Leu Ala Phe Arg Val Val Ser Gly Ala Ala Asn
 65 70 75 80
 Val Ile Gly Pro Lys Ile Cys Leu Glu Asp Lys Met Leu Met Ser Ser
 85 90 95
 Val Lys Asp Asn Val Gly Arg Gly Leu Asn Ile Ala Leu Val Asn Gly
 100 105 110
 Val Ser Gly Glu Leu Ile Glu Ala Arg Ala Phe Asp Met Trp Ala Gly
 115 120 125
 Asp Val Asn Asp Leu Leu Lys Phe Ile Arg Pro Leu His Glu Gly Thr
 130 135 140
 Leu Val Phe Val Ala Ser Tyr Asp Asp Pro Ala Thr Lys Met Asn Glu
 145 150 155 160
 Glu Thr Arg Lys Leu Phe Ser Glu Leu Gly Ser Arg Asn Ala Lys Glu
 165 170 175
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 180 185 190

<210> 19
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<212> PRT
<213> Homo sapiens

[illegible]